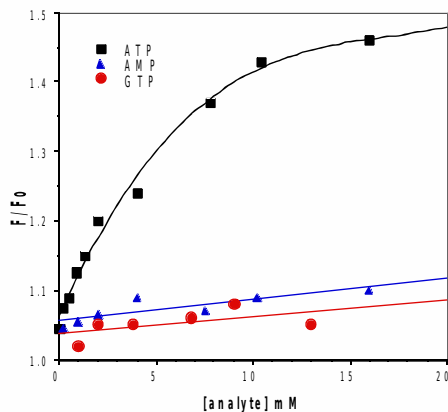
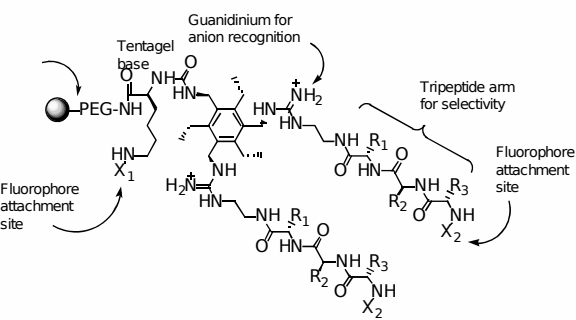
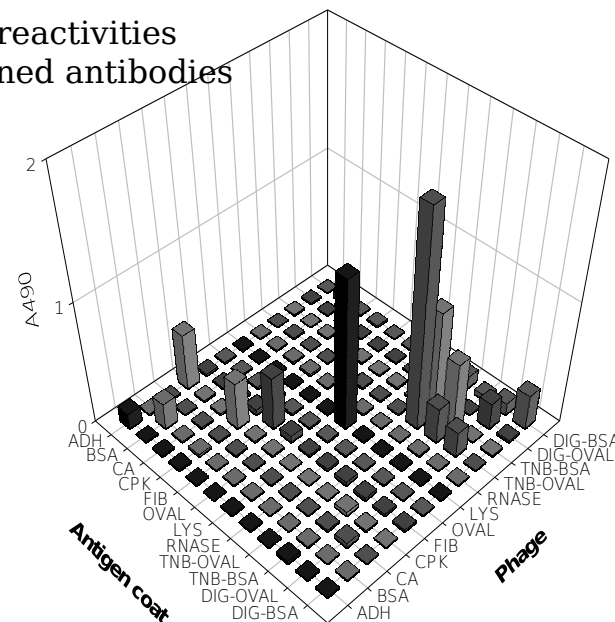


Cross-reactivities of panned antibodies



Combinatorial library of 'smart dyes' →

Response curve of ATP sensor

Working bead-based array (top, left)

High-throughput identification of up to 1,600 new antibodies / week (top, right)

Screening and selecting working sensors directly from combinatorial libraries (bottom, left)

Development of novel photoresists compatible to biopolymer immobilization

Arrays of enzyme-based assays (e.g., micro-ELISA)